| Index of | Claims |
|----------|--------|
|          |        |

| Application No. | Applicant(s)    |
|-----------------|-----------------|
| 10/087,090      | KATES, JAMES M. |
| Examiner        | Art Unit        |
| Suhan Ni        | 2643            |

| / | Rejected | 1 | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| _ | Interference |  |

| A | Appeal   |
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| 0 | Objected |

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|-------|---|----------|---------|---|------------|----------|----------|--------------|----------|----------|
| Cla   | aim_  | _        | _       | _   | (          | Date     |          |              |          |          |
| Final | Original  | 12/4/04  | 5/13/05 | 7/30/05   | 9/1/05     |          |          |              |          |          |
|       | 1   | 1        | ╒       | -   |            |          |          |              |          |          |
|       | 2   | √<br>√   | =       | -   |            | Г        |          |              |          |          |
|       | 3   | √        | =       | -   |            |          |          |              |          |          |
|       | 4   |          |         |   |            |          |          |              |          |          |
|       | 5   |          |         |   |            | <u> </u> | <u>_</u> |              | 匚        |          |
|       | 6   | _        |         | $ldsymbol{le}}}}}}$ |            | L.       | <u> </u> | <u> </u>     | L        |          |
|       | 7   |          | L.      | <u> </u>  | L          | _        | _        | L.,          | _        |          |
|       | 8   |          |         | <u> </u>  | <u> </u>   | -        | -        | L            | ├-       | Н        |
|       | 10  | _        | _       | ⊢   |            | -        | ⊢        | <u> </u>     |          | Н        |
|       | 11  | -        |         | ├-  | -          | -        | ├        | ⊢            | -        | $\vdash$ |
|       | 12  | -        |         | $\vdash$  | -          | $\vdash$ | -        | ├─           | ┝        | Н        |
|       | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |          | -       | $\vdash$  | $\vdash$   | -        | $\vdash$ | $\vdash$     | $\vdash$ | Н        |
|       | 14  | $\vdash$ |         | $\vdash$  | $\vdash$   | -        | $\vdash$ | Ι-           | H        | H        |
|       | 15  |          |         |   |            |          | $\vdash$ | $\vdash$     |          | H        |
|       | 16  |          |         |   |            |          | $\vdash$ |              |          | П        |
|       | 17  |          |         |   |            |          | T        |              |          |          |
|       | 18  |          |         |   |            |          | $I^-$    |              |          |          |
|       | 19  |          |         |   |            |          |          |              |          |          |
|       | 20  |          |         |   |            |          |          |              |          |          |
|       | 21  |          |         |   |            |          |          |              |          |          |
|       | 22  |          |         |   |            |          |          |              |          |          |
|       | 23  |          |         |   |            |          |          |              |          |          |
|       | 24  |          | _       |   | Ш          |          |          | $oxed{oxed}$ | L        | Ш        |
|       | 25  | _        |         |   | lacksquare |          | <u> </u> | <u> </u>     | <u> </u> | Ш        |
|       | 26  | _        |         |   |            |          | <u> </u> | <u> </u>     | L        |          |
|       | 27  | H        |         |   |            |          | H        | <u> </u>     | $\vdash$ | Н        |
|       | 28  | -        |         |   | _          | _        | _        | ┝            | $\vdash$ | -        |
|       | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33                | Н        |         |   |            | -        | -        | -            | -        | Н        |
|       | 31  | -        |         |   | _          | -        | Н        | -            | $\vdash$ | Н        |
|       | 32  | Н        | _       |   | _          | _        |          | _            | ┝        | Н        |
|       | 33  | Н        |         |   | _          | _        |          | $\vdash$     | _        | Н        |
|       | 34  |          |         |   |            |          |          |              |          | П        |
|       | 34<br>35  |          | -       |   |            |          |          |              | Г        |          |
|       | 36  |          |         |   | ĺ.         |          |          |              |          |          |
|       | 37  |          |         |   |            |          |          |              |          |          |
|       | 36<br>37<br>38<br>39  |          |         |   |            |          |          |              |          |          |
|       | 39  |          |         |   |            |          |          |              |          | Ш        |
|       | 40  | Щ        |         |   |            |          |          |              |          |          |
|       | 41  | Щ        |         |   | Ш          |          |          |              | Ш        | Щ        |
|       | 42  |          |         |   |            | _        |          | H            | Н        | Ш        |
|       | 43  | $\vdash$ | _       | _   | Щ          |          |          | $\vdash$     | H        | Н        |
| -     | 44  |          |         |   | _          |          | -        |              | -        | $\vdash$ |
|       | 45<br>46  | $\vdash$ | _       | $\vdash$  | $\vdash$   | Н        | -        | $\vdash$     | H        | Н        |
|       | 46  | $\vdash$ |         |   | $\vdash$   |          |          | $\vdash$     | $\vdash$ | $\vdash$ |
| -+    | 48  | $\dashv$ | -       | $\vdash$  | -          | _        |          | _            | _        | Н        |
|       | 49  | $\vdash$ | -       | $\vdash$  |            |          | -        | $\vdash$     | $\vdash$ | $\vdash$ |
|       | 50  | $\vdash$ |         | $\vdash$  | $\vdash$   | -        | Н        | $\vdash$     | $\vdash$ | Н        |
|       |   |          |         |   |            |          |          |              |          |          |

| Cla  | im             | Date     |         |    |    |          |          |  |              |          |
|--|----------------|----------|---------|----|----|----------|----------|--|--------------|----------|
|  |                | 4        |         |    | _  |          |          |  |              |          |
| ਰ  | Original       | Š.       | 5/13/05 | 9  | 8  |          |          |  |              |          |
| Final  | ij             | Š        | /13     | 30 | ]  |          |          |  |              |          |
|  | 0              | 7        | 2       |    | ~  |          |          |  |              |          |
|  | 51             |          |         |    |    | $\vdash$ |          | Н  | $\vdash$     | ┢        |
|  | 51<br>52<br>53 |          | _       |    |    |          | $\vdash$ |  |              |          |
| <u> </u>   | 53             | $\vdash$ |         |    |    |          | $\vdash$ |  |              |          |
|  | 54             | $\vdash$ |         | -  | ┢  | _        | _        | <del>                                     </del> |              | $\vdash$ |
| 1  | 54<br>55<br>56 | <b>√</b> | =       | -  | Ī  | $\vdash$ | _        |  | $\vdash$     | _        |
|  | 56             | Ň        | -       |    | _  | Г        | Г        | 一  | $\vdash$     |          |
|  | 57             | N        | -       |    |    | $\vdash$ | <b> </b> | $\vdash$   |              |          |
|  | 58             | И        | -       |    |    | Г        |          |  | $\vdash$     | 一        |
|  | 59             | N        | •       | _  |    |          |          |  |              |          |
| 2  | 60             | N        | •       |    | =  |          |          |  |              | $\vdash$ |
| 3  | 61<br>62<br>63 | Z        | -       |    | ┰  |          |          |  |              |          |
| 4  | 62             | Z        | -       |    | =  |          |          |  |              |          |
| 5  | 63             | Z        | -       |    | =  |          |          |  |              |          |
| 6  | 64             |          |         | =  | 11 |          |          |  |              |          |
| 7  | 64<br>65       |          |         | =  | =  |          |          |  |              |          |
| 8  | 66             |          |         | =  | =  |          |          |  |              | $\vdash$ |
| 9  | 67             |          |         |    | =  |          |          |  |              | _        |
| 10   | 68             |          |         |    | =  | _        | _        |  |              |          |
| 11   | 69<br>70<br>71 |          | _       |    | =  |          |          |  |              |          |
| 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 | 70             |          |         |    | =  |          |          |  |              |          |
| 13   | 71             |          |         |    | =  |          |          |  |              |          |
| 14   | 72             |          |         |    | =  |          |          | Г  |              |          |
| 15   | 73             |          |         |    | =  |          |          |  |              | $\vdash$ |
| 16   | 72<br>73<br>74 |          |         |    | =  | -        |          | $\vdash$   |              |          |
| 17   | 75             |          |         |    | =  |          |          |  |              |          |
| 18   | 75<br>76       |          |         |    | =  |          |          |  |              |          |
| 19   | 77             |          |         |    | =  |          |          |  | Г            | Г        |
| 20<br>21   | 78<br>79       |          |         |    | 11 |          |          |  | _            |          |
| 21   | 79             |          |         |    | =  |          |          |  |              |          |
| 22   | 80             |          |         |    | =  |          |          | Г  |              |          |
| 22<br>23   | 81             |          |         |    | =  |          |          |  |              |          |
| 24   | 82             |          |         |    | =  |          |          |  |              |          |
| 25<br>26   | 83             |          |         |    | =  |          |          |  |              |          |
| 26   | 84             |          |         |    | =  |          |          |  |              |          |
| 27   | 85             |          |         |    | ı  |          |          |  |              |          |
| 28<br>29   | 86             |          |         |    | 11 |          |          |  |              |          |
| 29   | 87             |          |         |    | H  |          |          |  |              |          |
| 30   | 88             |          |         |    | =  |          |          |  |              |          |
| 31   | 89             |          |         |    | =  |          |          |  |              |          |
| 32   | 90             |          |         |    | =  |          |          |  |              | L        |
| 33   | 91             |          |         |    | =  | _        |          |  |              |          |
| 34   | 92             |          |         |    | =  |          |          |  |              |          |
| 35   | 93             |          |         |    | =  |          |          |  |              |          |
| 36   | 94             |          |         |    | =  |          |          |  |              |          |
| 37   | 95             |          | ]       |    | =  |          |          |  |              |          |
| 38   | 96             |          |         |    | =  |          |          |  |              |          |
| 39   | 97             |          |         |    | =  |          |          |  | $oxed{\Box}$ |          |
| 40   | 98             |          |         |    | =  |          |          |  |              |          |
| 41   | 99             |          |         |    | =  |          |          | _  |              | Ш        |
| 42   | 100            |          |         | _  | =  |          |          |  |              |          |

| Cla      | Date              |               |          |          |          |  |  |          |          |                 |
|----------|-------------------|---------------|----------|----------|----------|--|--|----------|----------|-----------------|
| Uli      | $\vdash$          |               | r        |          | Jau      | <del>-</del>                                     | г –  | _        | $\dashv$ |                 |
| Final    | Original          | 9/1/05        |          |          |          |  |  |          |          |                 |
| 43       | 101               | =             |          |          |          |  |  |          |          |                 |
| 44       | 102               | =             |          |          |          |  |  |          |          | П               |
| 45       | 103               | =             |          |          | Г        |  |  |          |          | П               |
| 46       | 104               | Ξ             | $\vdash$ |          | $\vdash$ | $\vdash$   |  | $\vdash$ |          | Н               |
| 47       | 105               | =             |          |          |          |  | <u> </u>   | _        |          | Н               |
| 48       | 106               | =             |          |          |          |  |  |          |          | Н               |
| 49       | 107               | =             |          |          |          |  | $\vdash$   |          |          | П               |
| 50       | 108               | =             |          |          | $\vdash$ |  | <del>                                     </del> | _        | l        | Н               |
| 51       | 109               | =             |          | Г        |          |  | Т  |          | Т        | П               |
| 52       | 110               | =             |          | Г        |          |  |  |          |          |                 |
|          | 111               |               |          | Γ        |          |  |  |          |          | П               |
|          | 112               |               |          |          |          |  |  |          |          | П               |
|          | 111<br>112<br>113 |               |          |          |          |  |  |          |          |                 |
|          | 114<br>115        |               |          |          | L        |  |  | L        |          |                 |
|          | 115               |               |          |          |          |  |  |          |          |                 |
|          | 116               |               |          |          |          |  |  |          |          |                 |
|          | 117               |               |          |          |          |  |  |          |          |                 |
|          | 118               |               |          |          |          |  |  |          |          |                 |
|          | 119               |               |          |          |          |  |  |          |          |                 |
|          | 120<br>121        |               |          |          |          |  |  |          |          |                 |
|          | 121               |               |          |          |          |  |  |          |          |                 |
|          | 122               |               |          |          |          |  |  |          |          |                 |
|          | 122<br>123<br>124 |               |          |          | _        |  |  |          |          |                 |
|          | 124               |               |          | <u> </u> | <u> </u> |  |  |          |          |                 |
|          | 125               |               |          | L_       |          |  |  |          |          | Щ               |
|          | 125<br>126<br>127 |               |          | _        | <u> </u> | <u> </u>   |  |          | _        | Щ               |
|          | 127               | _             |          | <u> </u> | L.       | <u> </u>   | _  | _        |          | Щ               |
|          | 128<br>129        |               | _        |          | <u> </u> | <u> </u>   | L  |          |          | Щ               |
|          | 129               |               |          | <u> </u> | <u> </u> | $\vdash$   | <u> </u>   | _        |          | Ш               |
|          | 130               |               |          | _        | ļ        | $\vdash$   | <u> </u>   |          |          | Н               |
|          | 131               | _             |          | <u> </u> | <u> </u> | <u> </u>   | <u> </u>   | _        | _        | Н               |
|          | 132               |               | _        | L        | <u> </u> | L  | <u> </u>   | <u> </u> | _        | Н               |
|          | 133<br>134        |               | _        |          | H        | $\vdash$   | <u> </u>   | -        | _        | Щ               |
|          | 135               | <u> </u>      | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$   | <del>                                     </del> | Ь—       |          | Н               |
|          | 135               | -             | -        | $\vdash$ | -        | $\vdash$   |  | ├        |          | $\vdash$        |
| <b>-</b> | 136<br>137        | -             | -        | $\vdash$ | -        | -  | $\vdash$   | <u> </u> | -        | $\vdash \vdash$ |
|          | 138               |               | -        | $\vdash$ | -        | <del>                                     </del> | $\vdash$   | H        |          | $\vdash \vdash$ |
|          | 139               | -             | -        |          | -        | $\vdash$   |  | ļ        | -        | $\vdash \vdash$ |
| $\vdash$ | 140               |               | $\vdash$ | $\vdash$ |          | $\vdash$   |  |          | H        | $\vdash \vdash$ |
|          | 141               | $\vdash$      |          | Н        | $\vdash$ |  |  | -        |          | H               |
|          | 142               | $\vdash$      | _        |          | Н        | $\vdash$   | -  | -        | -        | H               |
|          | 143               | $\overline{}$ | _        | т        |          | $\Box$   | $\vdash$   |          |          | $\vdash$        |
|          | 144               |               |          |          | П        | П  | П  |          |          | Н               |
|          | 145               |               |          | П        |          |  |  |          |          | H               |
|          | 146               |               |          | П        |          | П  |  |          |          | Н               |
|          | 147               |               |          |          |          | П  | П  |          |          | П               |
|          | 148               |               |          |          | П        | П  | П  |          |          | П               |
|          | 149               |               |          |          |          | П  |  |          | · · · ·  | П               |
|          | 150               |               |          |          | П        |  |  |          |          | П               |
|          |                   | _             | _        |          | _        |  |  | _        | _        |                 |